

1010.1 REQUIREMENTS

- A. Bar Reinforcement – Structures and Paving:** Bar reinforcement for structures and concrete pavement, shall conform to the requirements of AASHTO M 31 Grade 60 (420).
- B. Welded Steel Wire Fabric:** Welded steel wire fabric shall conform to AASHTO M 55.
- C. Dowel and Tie Bars:** Tie bars for concrete pavement shall conform to the requirements of AASHTO M 31, Grade 40 (300). Tie bars shall be epoxy coated deformed bars. The epoxy coating for tie bars shall conform to Section 1010.1.D.

Dowel bars for concrete pavement shall conform to AASHTO M 31, M 227, or M255, Grade 40 (300) minimum. Dowel bars shall have an epoxy coating. The coating shall conform to AASHTO M254 Type B except the film thickness shall be 5 to 10 mils (0.13 to 0.25 mm) after cure. Dowel bars shall be plain round bars, free from burring or other deformation restricting slippage in the concrete.

Shearing will be permitted, provided the coating is not damaged and subject to permissible deformation. Any deformation larger than true shape shall not exceed a 0.04" (1.0 mm) increase in diameter or thickness and shall not extend more than 0.40" (10 mm) from the dowel end.

Bond breakers that may be used to precoat the dowel bar assemblies shall be one of the products from the Department's Approved Products List.

- D. Epoxy Coated Reinforcement:** A Certificate of Compliance shall be furnished for each shipment supplied for use on a project, along with a copy of the quality control test results. Epoxy coated dowel bars shall comply with AASHTO M 254, Type B all other epoxy coated reinforcement shall comply with AASHTO M 284.
- E. Pretensioning Reinforcement:** Pretensioning Reinforcement shall conform to AASHTO M203 (ASTM A416) and shall be low-relaxation strands unless otherwise specified.